Release notes for ENDF/B Development n-063_Eu_152 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section $MAT=6328,\ MF=1,\ MT=451\ (1)$: Parsing stopped

ERROR(S) FOUND IN MAT=6328, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 251 TO 306

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=6328, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=6328, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 251

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6328,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 308

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 692

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 721

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 746

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 764

7. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6328,\ MF=3,\ MT=17\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 77

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 782

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 795

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 32 SECTION 3/ 32 NOT IN DIRECTORY

RECORD NUMBER 807

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 33 SECTION 3/ 33 NOT IN DIRECTORY

RECORD NUMBER 817

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER

826

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 844

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 862

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 879

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 896

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 912

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 928

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 943

20. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 958

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 973

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=3, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 61 SECTION 3/ 61 NOT IN DIRECTORY

RECORD NUMBER 987

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 1001

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 1014

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 1035

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 104 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 1050

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 105 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 1063

28. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 106 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=106 SECTION 3/106 NOT IN DIRECTORY

RECORD NUMBER 1077

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 1088

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6328, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 1104

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 1271

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 1282

33. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 1293

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 1304

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 32 SECTION 4/ 32 NOT IN DIRECTORY

RECORD NUMBER 1315

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=33 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 33 SECTION 4/ 33 NOT IN DIRECTORY

RECORD NUMBER 1326

37. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6328,\ MF=4,\ MT=51\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 1337

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1365

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1393

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 1421

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 1449

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 1477

43. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 1505

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 1533

45. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6328,\ MF=4,\ MT=59\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 1561

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 1589

47. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=4, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 1617

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6328, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 1645

49. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 1674

50. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 1765

51. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 22

SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1805

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 28

SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 2060

53. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 32 SECTION 5/ 32 NOT IN DIRECTORY

RECORD NUMBER 2204

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=33 (0): Directory (b)

ERROR(S) FOUND IN MAT=6328, MF= 5, MT= 33 SECTION 5/ 33 NOT IN DIRECTORY

RECORD NUMBER 2298

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6328, MF=5, MT=91 (0): Directory (b)

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.98221E-04 / STRENGTH FUNCTION 5.98221E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.98221E-04 STRENGTH FUNCTION 5.98221E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.60000E-04 / STRENGTH FUNCTION 3.60000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.60000E-04 STRENGTH FUNCTION 3.60000E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 6.22222E-04 / STRENGTH FUNCTION 6.22222E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 6.22222E-04 STRENGTH FUNCTION 6.22222E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

4. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 / DENSITY 3.70000E+00 SHOULD BE 3.58396E+00 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 DENSITY 3.70000E+00 SHOULD BE 3.58396E+00

5. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 / STRENGTH FUNCTION 5.83784E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 5.83784E-04 STRENGTH FUNCTION 5.83784E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04

6. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.23964E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.23964E-04 / DENSITY 8.93000E+00 SHOULD BE 9.50000E-01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.23964E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.23964E-04 DENSITY 8.93000E+00 SHOULD BE 9.50000E-01

7. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.25000E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.25000E-04 / DENSITY 6.00000E+00 SHOULD BE 6.33333E-01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.25000E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 2.25000E-04 DENSITY 6.00000E+00 SHOULD BE 6.33333E-01

8. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.04356E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.04356E-04 / DENSITY 4.52000E+00 SHOULD BE 4.75000E-01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.04356E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.04356E-04 DENSITY 4.52000E+00 SHOULD BE 4.75000E-01

9. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.01370E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.01370E-04 / DENSITY 3.65000E+00 SHOULD BE 3.80000E-01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.01370E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.01370E-04 DENSITY 3.65000E+00 SHOULD BE 3.80000E-01

10. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.28947E-04 / ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.28947E-04 / DENSITY 3.04000E+00 SHOULD BE 3.16667E-01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.28947E-04 ENERGY = 6.20000E+01. STRENGTH FUNCTION IS 3.28947E-04 DENSITY 3.04000E+00 SHOULD BE 3.16667E-01

11. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 22 / THE CALCULATED Q 1.46619E+06 DISSAGREES WITH THE GIVEN Q 1.56409E+06 (0): Iffy Q

FILE 3

SECTION 22

THE CALCULATED Q 1.46619E+06 DISSAGREES WITH THE GIVEN Q 1.56409E+06

12. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 103 / THE CALCULATED Q 2.51405E+06 DISSAGREES WITH THE GIVEN Q 2.65945E+06 (0): Iffy Q

FILE 3

SECTION 103

THE CALCULATED Q 2.51405E+06 DISSAGREES WITH THE GIVEN Q 2.65945E+06

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=62.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. The URR for this spin group needs higher energy resolution for correct representation of the average cross section resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

WARNING: More points needed in L=0 J=2.5 unresolved widths between 62. eV and 6.e2 eV WARNING: More points needed in L=0 J=3.5 unresolved widths between 62. eV and 6.e2 eV WARNING: More points needed in L=1 J=1.5 unresolved widths between 62. eV and 6.e2 eV WARNING: More points needed in L=1 J=2.5 unresolved widths between 62. eV and 6.e2 eV ... plus 8 more instances of this message

4. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.27%

- fudge-4.0 Errors:
 - 1. Calculated and tabulated Q values disagree. reaction label 13: n[multiplicity:'2'] + Eu151 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5990869.244934082 eV vs -6.3101e6 eV!

2. Calculated and tabulated Q values disagree.

reaction label 14: n[multiplicity:'3'] + Eu150 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13924006.98449707 eV vs -1.42802e7 eV!

3. Calculated and tabulated Q values disagree. reaction label 15: n + H1 + Sm151 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5285136.128570557 eV vs -5603640. eV!

4. Calculated and tabulated Q values disagree. reaction label 16: n + H2 + Sm150 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8657028.868469238 eV vs -8894630. eV!

5. Calculated and tabulated Q values disagree. reaction label 17: n + H3 + Sm149 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10386529.97189331 eV vs -1.06996e7 eV!

6. Calculated and tabulated Q values disagree. reaction label 18: Eu153 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8866138.023193359 eV vs 8550390. eV!

7. Calculated and tabulated Q values disagree. reaction label 19: n + He4 + Pm148 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1868336.603851318 eV vs 1564090. eV!

8. Calculated and tabulated Q values disagree. reaction label 20: $H1 + Sm152_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 2972465.206390381 eV vs 2659450. eV!

9. Calculated and tabulated Q values disagree. reaction label 21: H2 + Sm151_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3060570.027648926 eV vs -3293530. eV!

10. Calculated and tabulated Q values disagree. reaction label 22: H3 + Sm150-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2399795.927856445 eV vs -2709480. eV!

11. Calculated and tabulated Q values disagree. reaction label 23: $He3 + Pm150_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5835205.095092773 eV vs -6189840. eV!

12. Calculated and tabulated Q values disagree. reaction label 24: He4 + Pm149-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 9139000.434631348 eV vs 8833190. eV!

- njoy2012 Warnings:
 - 1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided
 - 2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided
 - 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
 - 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
 - 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 32 only mf4/mf5 provided
 - 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 33 only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided